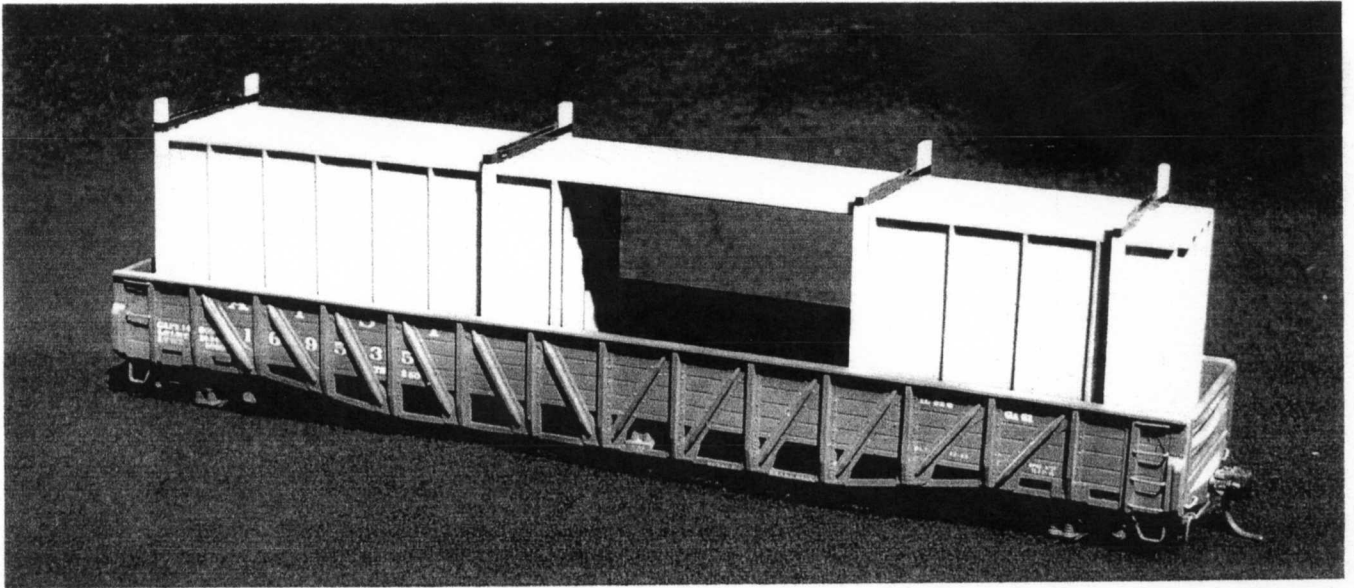




Loads Car Sides and Underframes



Youngstown Steel Car Co. (OH) sides and Mt. Vernon Co. (IL) welded boxcar underframes, as well as General Steel Casting Co. (IL) 70 ton cast flatcar underframes were popular sub-assemblies for the rebuilding and manufacturing of freight cars at company shops. The respective manufacturers shipped many of these loads during the steam era.

Boxcar sides and underframes were moved to their destinations in gondolas, while flatcar underframes were moved on flatcars. Boxcar sides and underframes were stacked on their edges in a wood cradle. The flatcar underframe was placed on the flatcar deck and blocked.

Modeling Notes

Use the following instructions for simple to produce loads:

1. Clean flash from parts, including the open areas of the cast underframe.
2. On 70 ton underframes, part of the casting rose through the wood deck. To create this part of cast underframe, cement the "H" plates to top of the underframe at bolster/draft gear/end sill with ACC.
3. If the back of a car side is to face outward, simulate the vertical posts with styrene.
4. Paint all loads Zinc Chromate.
5. For boxcar sides and welded underframes, create two or more "U" shaped cradles of wood for the loads.

Make them slightly taller than parts. Separate the cast pieces one from another with additional wood to avoid rubbing. Add banding—wire until the early Fifties and steel bands after that—across the top of the cradle uprights.

6. For the flatcar underframe, turn upside down and create four latitudinal wood blocks. Place above and below the underframe at the bolster. Run vertical wire through this blocking into the floor. Add plastic nut/washer combination to the top. Touch up nut/washer with gray-black paint.

